

		વ	\
	Application No.	Applicant(s)	
Notice of Allowability	09/990,403	HIEB, MARIO	
	Examiner	Art Unit	
	KHAI TRAN	2637	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication (GHTS. This application is subject to	plication. If not includent will be mailed in due	ed course. THIS
1. \boxtimes This communication is responsive to <u>the preliminary amend</u>	<u>dment filed 1/02/2004</u> .		
2. The allowed claim(s) is/are <u>1-18</u> .		·	
3. \boxtimes The drawings filed on <u>11/21/01 and 4/09/2002</u> are accepted	d by the Examiner.		
 4.			
attached Examiner's comment regarding REQUIREMENT f	FOR THE DEPOSIT OF BIOLOGIC	AL MATERIAL.	
 Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date	5. Notice of Informal P 6. Interview Summary Paper No./Mail Dat 7. Examiner's Amendr 8. Examiner's Stateme 9. Other	(PTO-413), te ment/Comment	ŕ

Application/Control Number: 09/990,403

Art Unit: 2637

REASONS FOR ALLOWANCE

1. The preliminary amendment filed 1/02/2004 has been entered. Claims 1-18 are pending in this Office action.

Allowable Subject Matter

- 2. Claims 1- 18 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: none of the prior art of the record discloses or suggests a radio frequency system incorporating an envelope delay within a broadcast signal to achieve a directional pattern, comprising: a delay stage in electrical communication with the oscillator to receive the carrier wave, the delay stage configured to delay the carrier wave and by a delay amount; and a modulator in electrical communication with the delay stage to receive the carrier wave, the modulator further receiving analog audio and configured to provide amplitude modulation of the carrier wave with the analog audio to thereby generate an amplitude modulated carrier wave with an envelop delay as recited in claims 1, 10; and none of the prior art also discloses a modulator in electrical communication with the delay state and configured to provide amplitude modulation of the carrier wave with analog audio to thereby generate an amplitude modulated carrier wave with an envelope delay; an amplifier in electrical communication with the modulator and configured to amplify the power of the amplitude modulated carrier wave; and processor in electrical communication with the delay stage, the oscillator, and the amplifier and configured to enable adjustment of the carrier wave, the delay amount, and power amplification as recited in claim 18.

Application/Control Number: 09/990,403

Art Unit: 2637

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Usin (U.S. Pat. 5,896,180) discloses a phase locked loop circuit.

Henson et al (U.S. Pat. 5,471,176) disclose a glitchless frequency adjustable ring oscillator.

Horrible et al (U.S. Pat. 5,666,341) disclose a data detection apparatus.

Carley (U.S. Pat. 5,793,709) discloses a free lop interval timer and modulator.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to KHAI TRAN whose telephone number is (703) 305-1876. The examiner can normally be reached on 7:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, JAY PATEL can be reached on (703) 308-7728. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KHAI TRAN

Primary Examiner

Art Unit 2637

KT

August 20, 2004